



Project Name: \_\_\_\_\_  
 Part Number: \_\_\_\_\_ Date: \_\_\_\_\_

**Features**

- Controls up to 252 relays and 252 dimming channels
- Provides power to Dialog network peripheral devices
- Dual ethernet ports for daisy-chain networking additional controllers
- Large touchscreen for at-panel programming
- Integrated web-server for remote access
- BACnet/IP native device

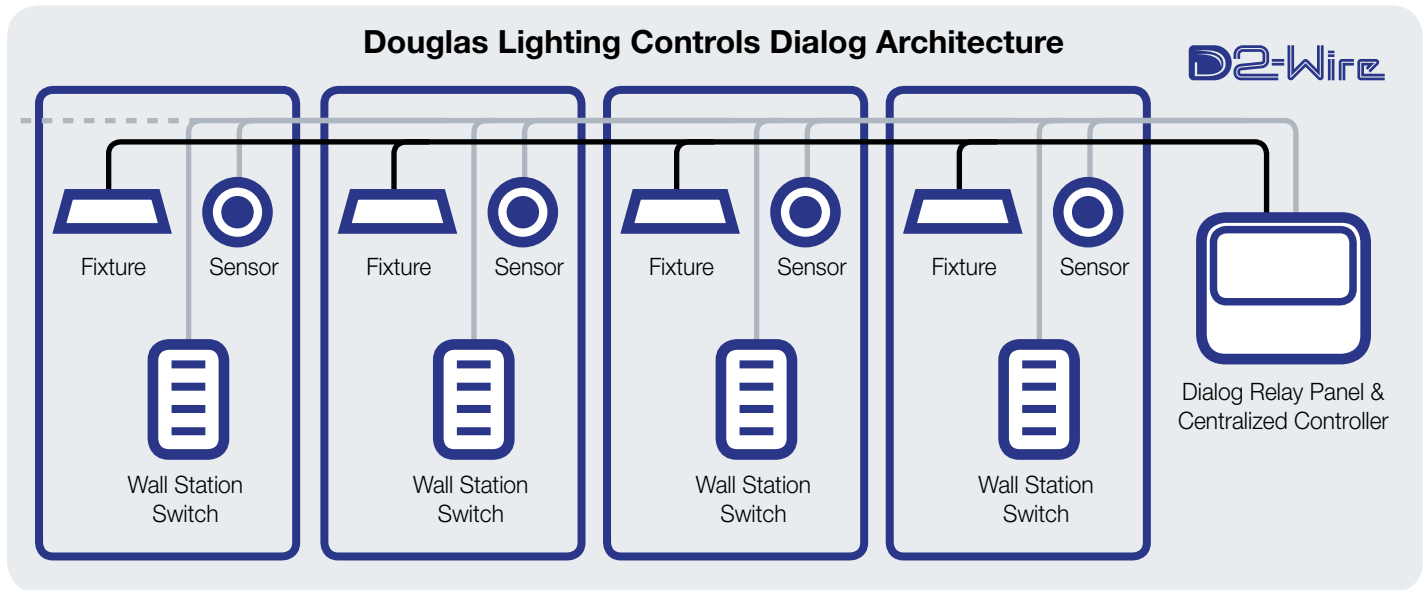


ASHRAE 90.1 Compliant

The Dialog® Lighting Control Unit (LCU) is used for centralized facility or multi-facility applications to manage the Dialog Lighting Control System. The controller is DIN rail mounted within the low voltage compartment of a relay panel in order to control and coordinate building lights based on messaging from peripheral devices, scheduled programs, and pre-configured actions. Its non-volatile memory stores the lighting control programming that manages the facilities lights. The large 6.25”H x 3.75”W capacitive touchscreen can be used for adding or changing system settings. An integral web-server is provided for a remote browser interface. For larger projects, touchscreen panel computers and iPad® devices can be used for system control. Contacts are available to control HVAC and security systems. Native BACnet capabilities provides connectivity to Building Management Systems. The USB port can be used for downloading (and uploading) system programming.

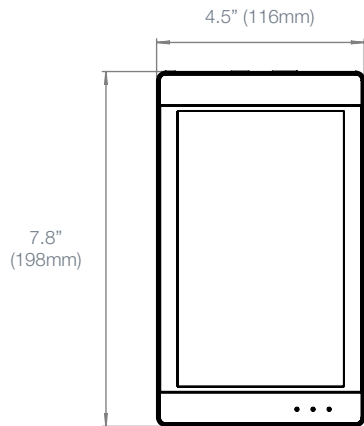
The Dialog Lighting Control Unit is part of the Dialog System which includes relay panels, control cards and peripheral devices (Occupancy Sensor, Daylight Sensor, Wall Station Switches). Systems are built project specific, then factory programmed and tested before shipping to site. On-site support for commissioning is provided as needed.

PART NUMBER	DESCRIPTION
WLC-4150	Lighting control unit for Dialog centralized lighting control system - BACnet



### DIMENSIONS & MOUNTING

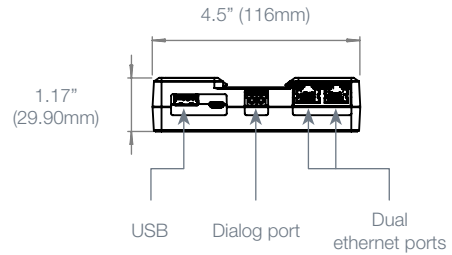
Front View



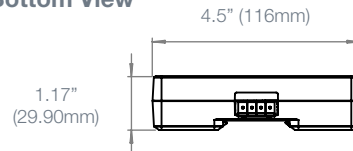
Side View



Top View



Bottom View



**Note:** Maximum wire length: 1000ft (300m); Aggregate 3000ft (900m) - Amplifiers used to extend distances when required.

<b>POWER</b>	<ul style="list-style-type: none"> <li>24VAC, 1A is required for power</li> </ul>
<b>COMMUNICATION</b>	<ul style="list-style-type: none"> <li>Dialog 2-wire (18/2 AWG) low voltage, non-polarized, power and data bus</li> </ul>
<b>INTERFACE</b>	<ul style="list-style-type: none"> <li>Approx 6.25"H x 3.75"W capacitive touch screen</li> <li>Full colour</li> </ul>
<b>OUTPUT</b>	<ul style="list-style-type: none"> <li>500mA</li> </ul>
<b>FUNCTIONALITY</b>	<ul style="list-style-type: none"> <li>Addressability</li> <li>Astronomical time clock (plus auto daylight savings time change)</li> <li>Scheduling including vacation overrides</li> <li>0-10V dimming</li> <li>Natural daylight priority</li> <li>Room control</li> <li>Demand response</li> <li>Zone control</li> <li>BACnet</li> </ul>
<b>ENVIRONMENT</b>	<ul style="list-style-type: none"> <li>Indoors, stationary, non-vibrating, non-corrosive atmosphere &amp; non-condensing humidity</li> <li>Ambient operating temperature: +5°F to +120°F (-15°C to +50°C)</li> </ul>
<b>WARRANTY</b>	<ul style="list-style-type: none"> <li>1 year warranty</li> </ul>

\* Application and Performance Specification Information Subject to Change without Notification  
Rev. 9/19/17